

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** March 29 and 31, 2006

**Inspector:** Diana Walden and Don Ukers

**Location:** Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

**Storm/**

**Rain Event:** Only a trace of precipitation was recorded since the previous inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- <b>Hoyts Hill:</b> Access is gained off Hoyts Hill Road. Sediment tracking was not observed on the roadway. 3/31/06.	- Ruts in the access driveway should be smoothed out as necessary. This will likely happen when activities are complete here. 3/31/06.	N/A at this time
	- <b>Archers Lane:</b> Water levels at the wetland crossings on the access road to the ROW remain low. 3/29/06.	-Sediment accumulation in the wetlands will have to be addressed, especially before the growing season. 2/2-3/29/06.	
	- The trenchwork for the 345kV project continues at the intersection of the access road and Diamond Hill Rd. Watch placement of materials along the silt fence and stone wall. 3/29/06.	- The stone wall helps to keep any sediment from the wetlands along the drive but sediment piles were noted. 3/9-3/29/06. Materials on the wall here also have to be removed. 3/29/06	-See 345kV report
	- <b>Norwalk Junction:</b> Sediment tracking did not appear to be an issue at this time. Sediment piles remain from the melted snow piles that were plowed into the swale during the last snow	-Continue to monitor Rt. 7 at the main access pad. 3/2-3/29/06.  - See erosion control section for more details on the snow/sediment.	-N/A

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	event. 2/16-3/29/06.	2/16-3/29/06.	
Foundation construction	<p>- At <b>Hoyts Hill:</b> 345kV XLPE trenchwork and backfill continues from the station walls. 3/31/06.</p> <p>-Excavations were also present on the pad. 3/31/06</p> <p>-At <b>Archers Lane,</b> foundation work continues within the station pad. 3/29/06.</p> <p>- 345kV trench work continues near the base of the access road. 3/29/06.</p> <p>-At <b>Norwalk Junction:</b> Work continues on the structures in the station pad including several large excavations. 3/15-3/29/06. Some backfilling and regrading had occurred in the yard. 3/29/06</p> <p>- Trenching was also noted along the perimeter of the yard to Rt. 7 as part of the 345kV HPFF work. 3/23-3/29/06.</p>	<p>-The station pad itself is in good shape and adjacent areas are being attended to. 3/31/06.</p> <p>- None at this time, the areas remain contained. 3/31/06</p> <p>- See erosion control section. 12/01-3/29/06. -None at this time. The area is contained. 3/2906.</p> <p>-See 345kV report for details. 3/29/06</p> <p>-Soil remains largely contained to site but see erosion control section for more information. 3/29/06.</p> <p>- See 345kV HPFF report 3/29/06.</p>	<p>-N/A</p> <p>-N/A</p> <p>-N/A</p> <p>- N/A</p> <p>-N/A.</p> <p>-N/A</p>
Erosion and Sediment Controls	<p>-<b>Hoyts Hill:</b> The perimeter silt fence along the wetlands at the rear of the station has been repaired well. 3/31/06.</p> <p>- Previously accumulated sediment was removed carefully from the wetland and adjacent to the silt fence. 3/31/06.</p>	<p>-Monitor and maintain the fence as necessary. 3/31/06.</p> <p>-Continue to monitor this area until slopes have stabilized and dewatering has ceased. 3/31/06.</p>	<p>- The perimeter silt fence was repaired and controls were very good.</p> <p>-Sediment was removed from the wetland, beyond the silt fence.</p>

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Erosion and Sediment Controls continued	<p>- It appears the erosive gullies on the northern slope of the station were filled in and repaired. 3/23/06. The crews were conducting the final grading activities and installing jute mesh at the northern slope at the time of inspection. 3/31/06.</p> <p>-The southern gully and less severe erosion along the face of the southern silt fence still needs attention. 1/26-3/31/06.</p> <p>- The majority of the sand pile stored in the driveway across from Rt. 58 was removed. 3/31/06.</p>	<p>-Continue to monitor the northern slope as it does not appear the outlet pad was changed. 3/2-3/31/06.</p> <p>-Plan to repair/stabilize the southern slope as well. 3/31/06.</p> <p>- None at this time. 3/31/06</p>	<p>Repairs were made to the gullied/eroded areas to the north of the station walls. 3/23/06. The slope was brought to final grade and jute netting was installed here 3/31/06.</p> <p>- The sand pile was removed as recommended.</p>
	<p>- <b>Archers Lane:</b> Sedimentation in the 1<sup>st</sup> wetland crossing to varying degrees from a fine layer over the leaf litter to several inches of accumulation. 1/26-3/29/06. - Water levels have remained low for the most part. 3/29/06</p> <p>-Some materials were placed on the silt fence along the access drive. 3/23-3/29/06.</p> <p>- <b>Norwalk Junction:</b> Haybales remain along the perimeter fence on site as an additional control, but sections have been removed due to the placement of hoses and pipes. 3/8-3/29/06. Equipment movement is also damaging haybales.</p>	<p>- Any easily accessible deposits of sediment will need to be removed. Fine layers of silt can remain. 1/26-3/29/06. -Sediment should be removed prior to the growing season. 3/29/06</p> <p>-None at this time.</p> <p>- This may be 345kV crew's responsibility to remove and restore fence. 3/23-3/29/06</p> <p>- The haybales appear to be working well for the most part, keeping site mud and soil from reaching the silt fence. 2/16-3/29/06</p> <p>Repair sections where needed. 3/29/06</p>	

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Erosion and Sediment Controls continued	<p>-The old culvert near the silt fence and the river was observed. It still shows evidence of occasional flow, including sediment from the disturbed soil at the site. 3/15-3/29/06</p> <p>-The wetland area outside the silt fence adjacent to the river shows some accumulated sediment 3/8-3/29/06.</p> <p>- Silt fence also may need repair in this location. 3/29/06</p> <p>- Sediment from previously plowed snow piles remained directly in and along the swale. This introduces more potential for turbidity. 2/16-3/29/06.</p> <p>- Erosive gullies remain in a number of locations along the lower drainage swale due to site run-off, resulting in further sedimentation to the swale. 12/30-3/29/06. Haybales remained in the inlets. 2/2-3/29/06.</p> <p>-The riprap swale remains to the Norwalk River for dewatering from the well points. 2/23-3/29/06.</p>	<p>- The culvert needs to have haybales installed if it is going to remain in place. Otherwise it should be removed/or the connection cut, completely 3/15-3/29/06</p> <p>- This area receives direct runoff from the site through the swale making water quality important. The adjacent site is disturbed resulting in this turbidity. 1/19-3/29/06.</p> <p>- Snow has melted but sediment could be removed from the swale. 3/8-3/29/06.</p> <p>- The erosion control matting on the swale likely needs to be extended up and over the top of slope to prevent further erosion until the growing season. 12/30-3/29/06.</p> <p>- Water was directly observed from the pipe and it remains crystal clear. 3/23-3/29/06</p> <p>- Be sure to restore this outlet area when work is complete. 2/16-3/29/06.</p>	-N/A until work is complete.
Inland Wetland and Watercourse encroachment and mitigation	<p>- <b>Hoyts Hill:</b> Accumulated sediment was removed carefully from the wetland. 3/31/06.</p> <p>-<b>Archers Lane:</b> Watch run-off velocity down the completed slopes and</p>	<p>-Continue to monitor this area until slopes have stabilized and dewatering has ceased. 3/31/06.</p> <p>- Remove the sediment from the wetland where there are significant</p>	- Accumulated sediment was removed from the wetland.

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	<p>walls. Pick up deposited sediment adjacent to and in the wetlands at the ROW access road crossings. 1/26-3/29/06.</p> <p>- <b>Norwalk Junction:</b> A riprap swale was built right to the river for dewatering on-site. Well points will ensure the water remains clear. 3/2-3/29/06.</p> <p>- The outlet of the drainage swale is at the headwall of the wetland area. Sediment has been an issue here in the wetlands but has not had a significant impact on the river. 12/30-3/29/06.</p>	<p>buildups. See the ROW report for more details. 2/16-3/29/06.</p> <p>-Water is very clear at this time. Continue to monitor. 3/29/06.</p> <p>-See Erosion Control Section for more details. Reduce turbidity by controlling its source-disturbed surfaces on site. 12/30-3/29/06.</p>	-N/A at this time
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-<b>Hoyts Hill:</b> The slopes and areas surrounding the site should be revegetated in the spring as necessary. 3/31/06.</p> <p>- <b>Archers Lane:</b> no additional clearing was noted here. 3/29/06.</p> <p>- <b>Norwalk Junction:</b> Some tree work was noted near Rt. 7. 3/29/06.</p>	<p>- Determine whether additional seed will be necessary. 3/31/06.</p> <p>-None at this time. 2/23/06-3/29/06.</p> <p>- Restore areas along the perimeter as feasible. 3/29/06.</p>	<p>-N/A until the growing season.</p> <p>-N/A.</p> <p>- N/A until work is completed</p>
<p>Dewatering</p> <p><b>Hoyts Hill</b></p> <p><b>Archers Lane</b></p>	<p>-Dewatering continues from the 345kV XLPE work. Sediment has been removed from the wetland in this area and controls are well in place. 3/31/06.</p> <p>- Dewatering was not necessary at the time for the excavation. Haybales</p>	<p>-None at this time. See erosion control section. 3/31/06.</p> <p>- None at this time. 3/29/06.</p>	<p>-Controls are well in place.</p> <p>-N/A at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Norwalk Junction	<p>remain installed across the swale. 3/29/06</p> <p>-Well points and a network of pipes remain to handle the dewatering. 2/23/06-3/29/06.</p>	<p>-None at this time. Water leaving the outlet pipe is very clear. 3/23-3/29/06</p>	<p>- N/A at this time. 3/29/06.</p>
Blasting	<p>- All blasting is complete at this time. 3/29/06</p>	<p>- None at this time.</p>	<p>-N/A</p>
Soils	<p>- Soil remains at the Archers Lane site from excavations but it is well contained. 3/29/06</p> <p>- A number of soil stockpiles remain at Norwalk Junction as excavation continues 3/29/06</p>	<p>- None at this time 3/29/06</p> <p>- Soil does remain contained. 3/2-3/29/06.</p>	<p>- N/A</p>
Spills and Material Storage	<p>-A small spill area was noted in the Archers Lane pad. It appeared to be mostly water but had a slight fuel odor. It should be picked up. 3/29/06</p>	<p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site</p> <p>- Report spills immediately, even if they are being controlled.</p> <p>- Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.</p>	<p>-N/A at this time</p>
Additional Observations			

**Next likely scheduled inspection:**

Thursday April 6, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden





**Hoyts Hill Transition Station: Photo on the left shows final grading activities and erosion control mat installation on the northern slope. Photo on the right shows a view of the work continuing on the station pad. 3/31/06**



**Both photos show the perimeter silt fence and controls installed for 345kV XLPE dewatering on site. Erosion controls have been repaired in this area and sediment removed carefully from beyond the silt fence. 3/31/06.**





**Archers Lane Transition Station: Both photos show an overview of the work continuing within the station pad.  
3/29/06.**



**View of the access drive off Diamond Hill Road where activities associated with the 345kV project continue.  
Materials left along the stone wall should be removed. 3/29/06.**





**Norwalk Junction:** Photo on the left shows a view of the sediment within the swale adjacent to the station pad. Photo on the right shows the old culvert that remains near the perimeter fence. It should either be removed or covered with haybales. 3/29/06.



Photo on the left shows an overall view of the station yard where excavation continues but some backfill and grading had occurred. Photo on the right shows activity and stockpiles resulting from 345kV crews trenching into the station yard. 3/29/06.